

# MORE ROBOTICS

A  Community Robotics Club

FRC Team #1714

David B. Defobo  
S67W12620 Larkspur Rd.  
Muskego, WI 53130-3519

Dear Mr. Defobo,

Thank you for allowing MORE Robotics to share what we are about and what we do at the Milwaukee Radio Amateurs' Club. We really enjoy getting out into the community and talking about Robotics and our parent organization, FIRST (For Inspiration and Recognition of Science and Technology).

Presentations such as this help our student team members share knowledge and build self confidence, leadership, and life skills such as public speaking. MORE Robotics is the vehicle that allows us to give young people exposure to and an appreciation for the study of science, technology, engineering, and math in a motivating and relevant way.


We greatly enjoyed meeting you and presenting at MRAC, and would appreciate the opportunity to return in the future. If any of your members have an interest in participating in FIRST Robotics as a mentor or if you know of any students looking for a team to join please contact Mike Wittman at [Wittman@execpc.com](mailto:Wittman@execpc.com).

With the thanks of Team 1714,



Diane Sowinski  
Vice President, MORE Robotics

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The Thomas More Community Robotics Club is a community club that is extensively involved in providing educational programs in our community and that has gained world-wide recognition. We are comprised of high school and grade school students, and mentors who have a strong interest in science, technology, engineering, and math. More Robotics' mission is to give young people exposure to and an appreciation for the study of science, technology, engineering, and math in a motivating and relevant way to build knowledge, self confidence, leadership, and life skills through participation in the FIRST robotics programs.

Since our club's inception in 2005, MORE Robotics has won numerous awards at both regional competitions and at the FIRST Championship International competition. Our FRC team has grown from 12 to 27 members, and we mentor 17 grade school students on two FLL (FIRST Lego League) teams. We continue to promote robotics education at many community events such as Summerfest, State Fair, science fairs, and parades. We exhibit and educate at the Discovery World Museum, as well as teach multiple robotics workshops, and mentor other teams. We continue to grow our club with goals to increase our membership and community outreach.

As a community club, we have had students from different schools in the surrounding communities including Oak Creek, Cudahy, South Milwaukee, Greenfield and Milwaukee. Each year we coordinate and participate in the Milwaukee Vex League and Tournament, and in the FLL and FRC Robotics Competitions. We also engage in special projects which have included a Battery Charging Station and a Hydrogen Fuel Cell Project. This project incorporated fuel cell technology as a power source for operating a robot. This past year we were selected as a Beta-test team for a new control system, and currently we are developing a crab drive for next year's competition robot. This year we are once more a Beta-test team for FIRST, working on new aspects of the control system.

In order for us to meet our goals we need volunteer help and financial support from our community. These resources come from our sponsors. Financial support is used for team expenses including tools and equipment needed for building robots, computer software for robot design including CAD/CAM/3D animation, team entry fees, and expenses for regional and national competitions.

Volunteer mentors work with the students to instruct them and help them to learn and grow on the team. Students look up to mentors for advice and encouragement. Mentors make a lasting impression on students who have an interest in engineering. In addition to science and engineering mentors, mentors are needed in the areas of computer graphics, web page design, corporate and community relations, media and public relations, and financial support. Mentors help students make practical use of the knowledge they are learning in high school and help form a solid foundation that will be helpful throughout their life.

If you have questions or need additional information, please feel free to contact us. You may also visit our website at [www.morerobotics.org](http://www.morerobotics.org). You can reach me at 414-744-9298 or at [dsowinski@wi.rr.com](mailto:dsowinski@wi.rr.com), or our club leader, Mike Wittman, by calling him at (414) 766-1000 or at [wittman@execpc.com](mailto:wittman@execpc.com).

Sincerely,



Diane Sowinski  
Vice-president, More Robotics  
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South Milwaukee, WI 53172